

REC-112

JUN 28 2002

TECHNICAL



1647

## RAW SEQUENCE LISTING

DATE: 06/11/2002

PATENT APPLICATION: US/09/423,100

TIME: 14:23:33

Input Set : A:\-1-2.app

Output Set: N:\CRF3\06112002\I423100.raw

## SEQUENCE LISTING

ENTERED

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: Gan, Zhong Ru

8 (ii) TITLE OF INVENTION: Chaperone Mediated Protein

9 Folding Method

11 (iii) NUMBER OF SEQUENCES: 7

13 (iv) CORRESPONDENCE ADDRESS:

14 (A) ADDRESSEE: Townsend and Townsend and Crew LLP

15 (B) STREET: Two Embarcadero Center, Eighth Floor

16 (C) CITY: San Francisco

17 (D) STATE: California

18 (E) COUNTRY: USA

19 (F) ZIP: 94111-3834

21 (v) COMPUTER READABLE FORM:

22 (A) MEDIUM TYPE: Floppy disk

23 (B) COMPUTER: IBM PC compatible

24 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

25 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

27 (vi) CURRENT APPLICATION DATA:

C--> 28 (A) APPLICATION NUMBER: US/09/423,100

C--> 29 (B) FILING DATE: 11-Dec-2000

30 (C) CLASSIFICATION:

32 (vii) PRIOR APPLICATION DATA:

33 (A) APPLICATION NUMBER: WO PCT/CN98/00052

34 (B) FILING DATE: 31-MAR-1998

36 (viii) ATTORNEY/AGENT INFORMATION:

37 (A) NAME: Mycroft, Frank J

38 (B) REGISTRATION NUMBER: 46,946

39 (C) REFERENCE/DOCKET NUMBER: 020167-000120US

42 (2) INFORMATION FOR SEQ ID NO: 1:

44 (i) SEQUENCE CHARACTERISTICS:

45 (A) LENGTH: 49 amino acids

46 (B) TYPE: amino acid

47 (C) STRANDEDNESS:

48 (D) TOPOLOGY: linear

50 (ii) MOLECULE TYPE: protein

53 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

55 Met Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn Ala Met Leu

56 1 5 10 15

58 Arg Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr Gln Glu Phe

59 20 25 30

61 Glu Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe Leu Gln Asn

62 35 40 45

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64 Pro

67 (2) INFORMATION FOR SEQ ID NO: 2:

69 (i) SEQUENCE CHARACTERISTICS:

70 (A) LENGTH: 92 amino acids

71 (B) TYPE: amino acid

72 (C) STRANDEDNESS:

73 (D) TOPOLOGY: linear

75 (ii) MOLECULE TYPE: protein

78 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

80 Met Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn Ala Met Leu

81 1 5 10 15

83 Arg Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr Gln Glu Phe

84 20 25 30

86 Glu Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe Leu Gln Asn

87 35 40 45

89 Pro Gln Thr Ser Leu Ser Phe Ser Glu Ser Ile Pro Thr Pro Ser Asn

90 50 55 60

92 Arg Glu Glu Thr Gln Lys Ser Asn Leu Glu Leu Leu Arg Ile Ser

93 65 70 75 80

95 Leu Leu Leu Ile Gln Ser Trp Leu Glu Pro Val Gln

96 85 90

99 (2) INFORMATION FOR SEQ ID NO: 3:

101 (i) SEQUENCE CHARACTERISTICS:

102 (A) LENGTH: 6 amino acids

103 (B) TYPE: amino acid

104 (C) STRANDEDNESS:

105 (D) TOPOLOGY: linear

107 (ii) MOLECULE TYPE: protein

110 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

112 Leu Gly Thr Gly Pro Arg

113 1 5

116 (2) INFORMATION FOR SEQ ID NO: 4:

118 (i) SEQUENCE CHARACTERISTICS:

119 (A) LENGTH: 86 amino acids

120 (B) TYPE: amino acid

121 (C) STRANDEDNESS:

122 (D) TOPOLOGY: linear

124 (ii) MOLECULE TYPE: protein

127 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

129 Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr

130 1 5 10 15

132 Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr Arg Arg

133 20 25 30

135 Glu Ala Glu Asp Leu Gln Val Gly Gln Val Glu Leu Gly Gly Gly Pro

136 35 40 45

138 Gly Ala Gly Ser Leu Gln Pro Leu Ala Leu Glu Gly Ser Leu Gln Lys

139 50 55 60

141 Arg Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln

142 65 70 75 80

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144      Leu Glu Asn Tyr Cys Asn
145              85
148 (2) INFORMATION FOR SEQ ID NO: 5:
150      (i) SEQUENCE CHARACTERISTICS:
151          (A) LENGTH: 52 amino acids
152          (B) TYPE: amino acid
153          (C) STRANDEDNESS:
154          (D) TOPOLOGY: linear
156      (ii) MOLECULE TYPE: protein
159      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
161      Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
162      1              5              10              15
164      Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr Arg Gly
165      20              25              30
167      Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Cln Leu Glu
168      35              40              45
170      Asn Tyr Cys Asn
171              50
174 (2) INFORMATION FOR SEQ ID NO: 6:
176      (i) SEQUENCE CHARACTERISTICS:
177          (A) LENGTH: 107 amino acids
178          (B) TYPE: amino acid
179          (C) STRANDEDNESS:
180          (D) TOPOLOGY: linear
182      (ii) MOLECULE TYPE: protein
185      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
187      Met Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn Ala Met Leu
188      1              5              10              15
190      Arg Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr Gln Glu Phe
191      20              25              30
193      Glu Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe Leu Gln Asn
194      35              40              45
196      Pro Leu Gly Thr Gly Pro Arg Phe.Val Asn Gln His Leu Cys Gly Ser
197      50              55              60
199      His Leu Val Glu Ala Leu Tyr Leu Val Cys Gly Glu Arg Gly Phe Phe
200      65              70              75              80
202      Tyr Thr Pro Lys Thr Arg Gly Ile Val Glu Gln Cys Cys Thr Ser Ile
203      85              90              95
205      Cys Ser Leu Tyr Gln Leu Glu Asn Tyr Cys Asn
206      100              105
209 (2) INFORMATION FOR SEQ ID NO: 7:
211      (i) SEQUENCE CHARACTERISTICS:
212          (A) LENGTH: 150 amino acids
213          (B) TYPE: amino acid
214          (C) STRANDEDNESS:
215          (D) TOPOLOGY: linear
217      (ii) MOLECULE TYPE: protein
220      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
222      Met Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn Ala Met Leu

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223	1	5	10	15															
225	Arg	Ala	His	Arg	Leu	His	Gln	Leu	Ala	Phe	Asp	Thr	Tyr	Gln	Glu	Phe			
226				20					25					30					
228	Glu	Glu	Ala	Tyr	Ile	Pro	Lys	Glu	Gln	Lys	Tyr	Ser	Phe	Leu	Gln	Asn			
229				35				40					45						
231	Pro	Gln	Thr	Ser	Leu	Ser	Phe	Ser	Glu	Ser	Ile	Pro	Thr	Pro	Ser	Asn			
232		50					55					60							
234	Arg	Glu	Glu	Thr	Gln	Gln	Lys	Ser	Asn	Leu	Glu	Leu	Leu	Arg	Ile	Ser			
235	65					70					75				80				
237	Leu	Leu	Leu	Ile	Gln	Ser	Trp	Leu	Glu	Pro	Val	Gln	Leu	Gly	Thr	Gly			
238				85					90					95					
240	Pro	Arg	Phe	Val	Asn	Gln	His	Leu	Cys	Gly	Ser	His	Leu	Val	Glu	Ala			
241				100					105					110					
243	Leu	Tyr	Leu	Val	Cys	Gly	Glu	Arg	Gly	Phe	Phe	Tyr	Thr	Pro	Lys	Thr			
244			115					120					125						
246	Arg	Gly	Ile	Val	Glu	Gln	Cys	Cys	Thr	Ser	Ile	Cys	Ser	Leu	Tyr	Gln			
247		130					135					140							
249	Leu	Glu	Asn	Tyr	Cys	Asn													
250							145									150			

VERIFICATION SUMMARY

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DATE: 06/11/2002

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Output Set: N:\CRF3\06112002\I423100.raw

L:28 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:29 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]